

## Calendar

### Friday, September 10

**3:30 p.m.** Wine & Cheese - 2nd Flr X-Over

**4:00 p.m.** Joint Experimental Theoretical Physics Seminar - 1 West

Speaker: A. Khanov, University of Rochester

Title: Top Cross Section Measurement in the Lepton + Jets Channel with B-Tagging at DZero

### Monday, September 13

**11:00 a.m.** Special Astrophysics Seminar - Curia II

Speaker: P. Hoeflich, University of Texas  
Title: Physics of Type Ia Supernovae for Cosmology: I

**2:30 p.m.** Theoretical Astrophysics Seminar - Curia II

Speaker: C. Wagner, Argonne National Laboratory/University of Chicago  
Title: Supersymmetry, Dark Matter and Electroweak Baryogenesis

**3:30 p.m.** DIRECTOR'S COFFEE  
BREAK - 2nd Flr X-Over

**4:00 p.m.** All Experimenters' Meeting - Curia II  
Special Topic: NuMI/MINOS

## Wilson Hall Cafe

## What's Up with the Linear Collider?

*The fourteenth in a series of Fermilab Today stories on the International Linear Collider. The entire series is [available online](#).*

### Focus Shifts to Central Management Team



ILCSC chairman Maury Tigner of Cornell University

Following the endorsement of superconducting technology for the proposed International Linear Collider ([Fermilab Today, August 20, 2004](#)), the international LC community will move toward advancing the Global Design Initiative by forming the Central Management Team.

The two lead organizations, the International Committee for Future Accelerators (ICFA) and the International Linear Collider Steering Committee (ILCSC), have begun the process by establishing a Director Search Committee and a Site Evaluation Committee for the Central Management Team. ILCSC chairman Maury Tigner, of Cornell University, said the committees would like to have recommendations for ICFA at the next American regional meeting in February, 2005 in Vancouver, Canada.

## In the News

### From the *Interactions.org* News Wire, September 9, 2004

#### U.S. Scientific Computing Enters New Era with Grid3

#### US-LHC experiments use grid computing to meet "data challenge"

Cambridge, Mass.—Scientists of the Open Science Grid Consortium, meeting at a workshop at Harvard University, today (September 9), announced the success of a nine-month trial operation of a U.S. data grid for particle physics experiments and other scientific applications. The prototype grid, called Grid3, uses the Internet to combine the computational resources of 26 universities and national laboratories across the U.S. to serve the computing needs of more than 10 research groups in particle physics, astrophysics, bioinformatics and computer science.

[Read more](#)

### From the House Committee on Science, September 8, 2004

#### Boehlert Calls on DOE to Implement GAO Recommendations to Strengthen Controls Over Purchase Card Program

WASHINGTON, D.C., September 8, 2004 – Science Committee Chairman Sherwood Boehlert (R-NY) called on the Department of Energy (DOE) and its contractors to tighten procurement controls at its national laboratories by implementing recommendations called for



## Friday, September 10

Seafood Gumbo

Cod Fish Filet \$4.75

Roasted Chicken Vesuvio \$3.50

Lemon Fish \$3.50

Tuna Nicoise Salad on Panini \$4.75

Double Stuffed Pizza \$3.75

Baked Potato Bar with Chili and toppings  
\$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

## Weather



Mostly Sunny **80°/57°**

[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

[Secon Level 3](#)

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The Director would then work with regional managers from the American, European and Asian steering committees to select the remaining members of the Central Management Team. Tigner said there have been nine offers to host the central team (including Fermilab).

"We need to establish a means of comparison to evaluate the offers, and consider other conditions to select a site," he said.

The central team would be charged with formulating a Conceptual Design Report, the first phase of the GDI. Tigner also emphasized another aspect of furthering ILC goals: moving from what he called the current "grass roots" efforts into more direct connection with international funding agencies.

"This is not yet a formal project," he said. "For example, Congress has not allocated funds. It's very important that we establish firmer connections with the funding agencies. We're anxious to cooperate with these agencies."

Representatives of scientific funding agencies from Europe, Japan and North America, including the U.S. Department of Energy, have met three times as a self-described "informal body" to discuss prospects for an ILC. They have another meeting scheduled next week in Geneva, Switzerland

**Fermilab Art Gallery Opens  
New Exhibit: Compound  
Interests - The Fine Line  
Creative Arts Center Faculty  
Exhibition  
Artist Reception Tonight**

in four Government Accountability Office (GAO) reports that are being released today.

In the four reports, GAO identified several instances of non-compliance with procurement regulations governing the use of purchase cards at four DOE national laboratories: Lawrence Livermore, Sandia, Lawrence Berkeley, and Pacific Northwest. Problems included splitting purchases into two transactions to avoid price limits, and instances where purchasers were allowed to approve their own transactions. The purchase cards, which are similar to credit cards, are intended to reduce the bureaucratic cost and paperwork of routine purchases.

[Read more](#)

## Accelerator Update

*During the shutdown, Fermilab Today will offer a series on the history and operation of the laboratory's accelerator complex. The Cockcroft-Walton pre-accelerator leads off the series.*

## The Cockcroft-Walton

Fermilab has the most powerful accelerator in the world. This process of particle acceleration begins with a small bottle of hydrogen located in the electrostatic Preaccelerator, which is where everything starts. Fermilab's Preaccelerator is based on the Cockcroft-Walton design. It produces H<sup>-</sup> ions (hydrogen consists of a proton and an electron. The H<sup>-</sup> ion has an extra electron added) with an energy level of 750 keV (1 eV = one electron volt). The H<sup>-</sup> ions travel through the Linac and enter the Booster where both electrons are stripped off leaving a proton.

[read more](#)



Sultry Sounds of Color by Christine Milostan  
(Click on image for larger version.)

The Fine Line Creative Arts Center in St. Charles will kick off its 25th anniversary year celebration with a faculty exhibition in the art gallery at Fermilab. The exhibit, which runs from September 1 through October 31, 2004, will include work by 27 artists and feature work in a variety of media including fibers, jewelry, ceramics, painting and printmaking.

The opening celebration will be held on Friday, September 10, from 5:00 to 7:00 p.m. in the second floor art gallery of Wilson Hall at Fermilab. All employees and users are invited to attend the reception. For more information, contact [Georgia Schwender](#).

[read more](#)

### Attention IMAPServer3 Users Downtime Scheduled for IMAPServer3 on September 11 and September 12



Feynman Computing Center

[View the Tevatron Luminosity Charts](#)

## Announcements

### Upcoming Power Outages

#### September 11

**CDF** will have no power from 7:30 AM to about 5:30 PM. This is for oil switch maintenance. If the technicians find problems, the power outage may last longer.

The **Industrial Building** will have no power for 24 hours beginning at 7:30 AM. The **Feynman Computing Center** will switch to its generators before its 24-hour power outage begins at 7:30 AM. There will be no power interruption.

#### September 13

**Wilson Hall** (and all of Fermilab except for the Village and the Main Injector) will have no power for half an hour beginning around 7:00 a.m.

#### September 24

**Wilson Hall** (and all of Fermilab except for the Village and the Main Injector) will have no power for half an hour beginning around 7:00 a.m.

### Fermilab Barn Dance This Weekend

The Fermilab Barn Dances resume Sunday, September 12 at 6:30 p.m. Walter Hojka and Jonathan Whitall will play New England contra dance music and Paul Watkins will call. Dances are held in the Warrenville Community Building.

[more information](#)

### New Classified Ads Posted on Fermilab Today

New [classified ads](#) have been posted on *Fermilab Today*. A permanent link to the classifieds is located in the bottom left corner of *Fermilab Today*.

IMAPServer3 will be upgraded on September 11 and September 12. This will consist of system changes as well as an upgrade to the IMAP software. The upgrade will take approximately 24 hours, due to extra precautions taken to avoid problems uncovered during the IMAPserver1 upgrade. The work will start at noon on September 11, and it should be completed by noon on September 12.

IMAPServer3 users should double check their email settings and make sure they are connecting to [imapserver3.fnal.gov](mailto:imapserver3.fnal.gov), and not [imapserverc.fnal.gov](mailto:imapserverc.fnal.gov). After the upgrade [imapserverc.fnal.gov](mailto:imapserverc.fnal.gov) will no longer be the same machine.

The upgrades will provide a number of benefits, including improved IMAPServer performance, improved Webmail with an address book, and Server side filters, which will allow the server to folder your mail rather than the client. All users will also get a new folder called "Tagged Spam" which will by default have all mail tagged by the spam filters moved to it. Documentation on the new server side filtering is [available online](#).

### Free English Classes

NALWO-sponsored free English language classes for beginning and advanced levels are Fridays at the Users Center from 9:30 a.m. to 11:00 a.m